October 21, 2014

Coordination Group Meeting

Metadata Working Group
Update to Coordination Group

Jennifer Carlino, Chair
FGDC OS
303-202-4260
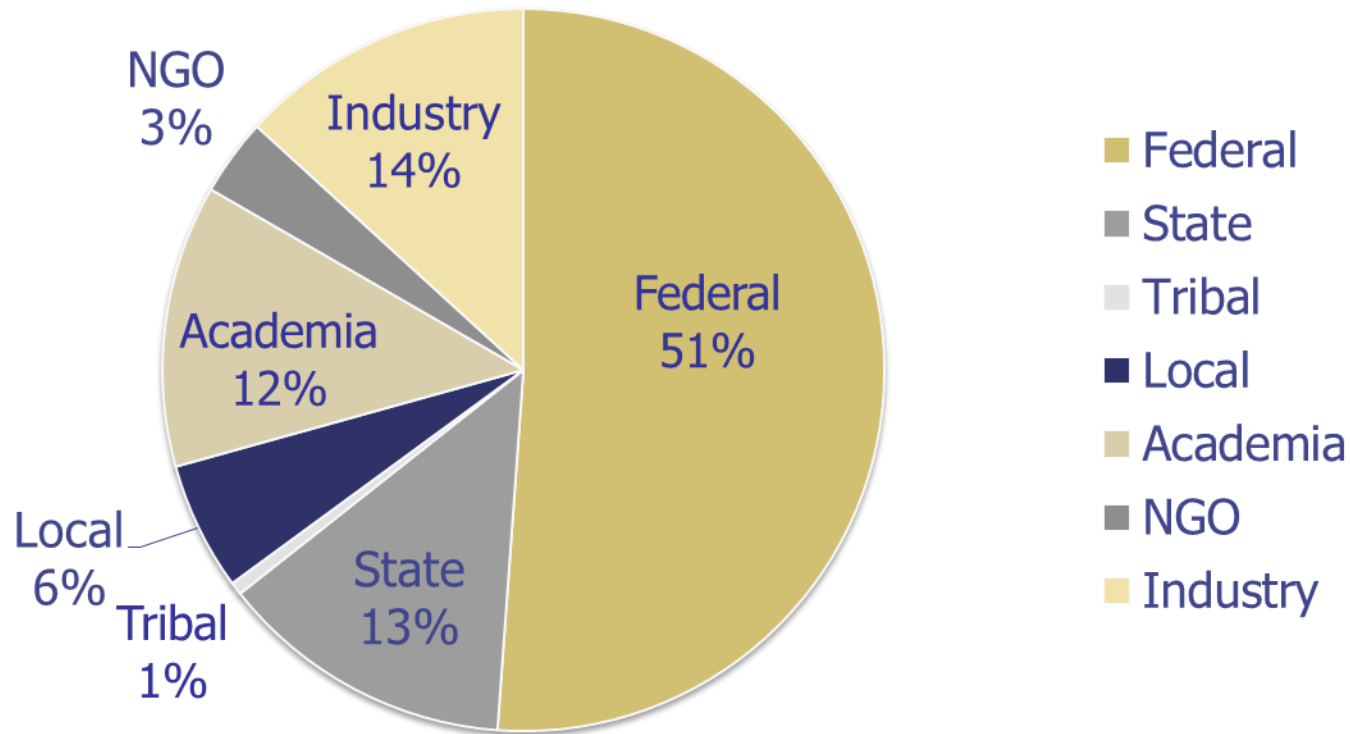jcarlino@usgs.gov

Introduction

The purpose of the Metadata Working Group is to:

- ◆ Promote awareness of and best practices for the metadata component of geospatial data
- ◆ Facilitate the coordination, development, use, sharing, and dissemination of geospatial metadata
- ◆ Supports the implementation of geospatial metadata and other related Federal, National, and International standards established organizations including
  - FGDC
  - Open Geospatial Consortium (OGC)
  - American National Standards Institute (ANSI)
  - International Organization for Standardization (ISO)

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Metadata Working Group Members

Total = 173 participants

Legend:
- Federal
- State
- Tribal
- Local
- Academia
- NGO
- Industry

Pie chart values:
- Federal 51%
- State 13%
- Tribal 1%
- Local 6%
- Academia 12%
- NGO 3%
- Industry 14%

http://www.fgdc.gov/participation/working-groups-subcommittees/mwg/membership

Members

Federal

Centers for Disease Control (1)

Department of Agriculture (11)

Department of Commerce (18)

Department of Defense (8)

Department of Energy (1)

Department Homeland Security (4)

Department of Housing and Urban Development (2)

Department of the Interior (30)

Environmental Protection Agency (6)

Federal Aviation Administration (1)

General Services Administration (2)

Library of Congress (2)

NASA (3)

State

Florida Fish and Wildlife Commission (1)

Illinois Geological Survey (1)

Indiana Geological Survey (1)

Alaska (1)

Arizona (1)

Colorado (1)

Iowa (1)

Minnesota (3)

Mississippi (1)

Missouri (2)

New Jersey (4)*

North Carolina Center for Geographic Information and Analysis (1)

North Dakota (1)

Oregon (2)

Washington (1)

Wyoming (1)

*Indicates new member

Members Cont'd

Tribal

Penobscot Indian National Tribal
   Administration (1)

Local

Champaign County Regional Planning
   Commission (2)
City of Tampa (1)
Miami-Dade County (5)
Westchester County, New York (2)

Academia

Columbia University (1)
George Mason University (1)
Indiana University Northwest (1)

Academia cont'd

Iowa State University (1)
James Madison University (1)
Louisiana State University (1)
Michigan State University (2)
Northern Arizona University (2)
Stanford University (1)
University of Idaho (1)
University of Nevada, Las Vegas (1)
University of North Carolina (1)
University of Rhode Island (1)
University of Wisconsin (2)
Virginia Tech (2)
West Virginia University (1)
Western Illinois University (1)
Winston-Salem State University (1)

Underline indicates new organization

Members Cont'd

NGO

National Association of Regional
   Councils (1)

NatureServe (1)

Northwest Straits (2)

Point Blue Conservation Science(1)

Sonoma Ecology Center (1)

Industry

Booz Allen Hamilton, Inc. (1)

CDM Smith, Inc. (1)

Chevron Corporation (1)

DigitalGlobe, Inc. (1)

ESRI (3)

Fugro EarthData, Inc. (1)

Industry Cont'd

GeoMaxim (1)

Grafton Technologies, Inc. (1)

Harris Corporation (1)

Innovate! Inc. (4)

Intergraph Corporation (1)

Kucera International Inc. (1)

Sanborn, Inc. (1)

Southeastern Surveying and Mapping Corp (1)

The HDF Group (1)

Westat, Inc. (1)

WiSC Enterprises (1)

WMATA (1)

Underline indicates new organization

NGDA Data Themes and Data Sets

The Metadata Working Group is a cross cutting team and so all of the NGDA Data Themes and Data Sets are represented

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Recent Meetings

- The Metadata Working Group met September 10, 2014*
- The topics discussed at this meeting include:
  - Status of ISO 19115-1 *Geographic Information - Metadata – Part 1: Fundamentals* and related standards
  - National Geospatial Data Asset Management Plan (A-16 Implementation)
  - Share applicable information from Standards Working Group
- Some of the outcomes arising from this meeting include:
  - Increase understanding of status and relationships among ISO metadata standards
  - Increase connection with NGDA metadata activities

* Meeting summaries and presentations available at:
   http://www.fgdc.gov/participation/working-groups-subcommittees/mwg/index_html

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Recent Developments/Projects

- National Geospatial Data Asset Metadata Focus Group (complete)
  - Research and interviews with NGDA Data Publishers to identify and address Data.gov/GeoPlatform publication issues
  - Updated NGDA Dataset metadata guidelines
  - Updated Data.gov/GeoPlatform.gov registration/harvesting tutorial
- Broad Metadata Best Practices document update (in progress)
  - Coordination with Data.gov/GeoPlatform and Project Open Data development teams
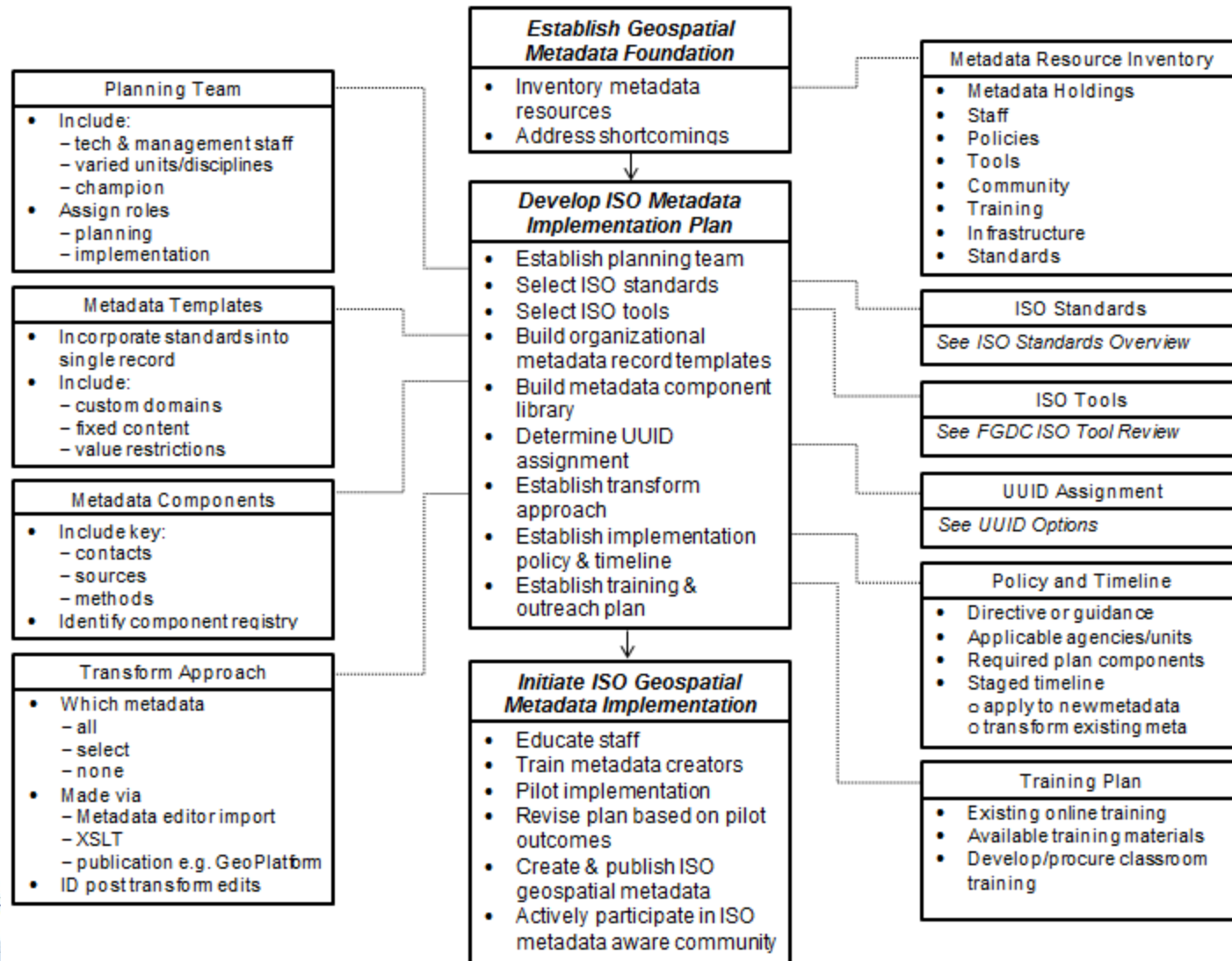 - Call for participation from CG and Metadata Working Group Members

http://www.geoplatform.gov/resources

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Recent Developments/Projects

◆ **ISO Metadata Implementation Forum (ongoing)**

- **Purpose:** A monthly webinar information series for the presentation and discussion of ISO metadata implementation shared experiences, strategies, topics, and resources
- **Audience:** FGDC Metadata Working Group & NSDI Stakeholders
- **Presenters:** ISO metadata implementers from all community sectors
- **Anticipated Outcomes**
  - ISO metadata implementation community of practice
  - Sessions documented and made available as information/training resource on FGDC website
  - Stimulate ideas and inform the ISO transition efforts
- **Topics**
  - Standards
  - Tools/Transforms/Validation/Publication
  - Case Studies/Workflow Model

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2014 ISO Forum

Date	Topic	Presentation(s)
Jan. 8	Why Implement ISO Metadata	Overview: Why Implement ISO Metadata – **Lynda Wayne, FGDC Support/GeoMaxim**
Feb. 12	Why We Implemented ISO Metadata	• Why US Census Bureau Implemented ISO Metadata – **Lynda Liptrap, US Census Bureau** • Why Energistics Wants to Implement ISO Metadata – **Scott Hills, Chevron Representative to Energy Industry Metadata Work Group**
Apr. 9	ISO Metadata Tools	• Data.gov, GeoPlatform.gov and ISO Metadata – **Doug Nebert, FGDC Secretariat** • EPA Metadata Editor (EME) v.4 – **Dan Spinosa, Innovate! Inc. and Torrin Hultgren, EPA**
May 14	ISO Metadata Tools	• GeoNetwork, Opensource – **Jeroen Ticheler GEOCAT** • ArcGIS Metadata Editor – **Aleta Vienneau, ESRI**
July 9	ISO Metadata Implementation Model Workflow	ISO Implementation Workflow Model Overview – **Lynda Wayne, FGDC Support/GeoMaxim**
Aug. 13	ISO Model Workflow Experience	• Developing a Spatial Data Repository using ISO Metadata Standards – **Kim Durante, Stanford University Libraries** • ISO Metadata Standards Implementation – **Steve Richard, Arizona Geological Survey and US Geosciences Information Network (USGIN)**
Oct. 8	Developing Metadata Profiles	• North Carolina State and Local Government Metadata Profile – **Steve Averett, City of Greensboro, NC and Sara Wray, North Carolina Department of Transportation** • Defense Installation Spatial Data Infrastructure (DISDI) Spatial Data Standards for Facilities, Infrastructure and Environment Metadata – **Kurt Buehler, Image Matters LLC**
Nov. 12	Transforming Your CSDGM Metadata to ISO	Transforming your CSDGM Metadata to ISO Format – **Kathy Martinolich and Jacqueline Mize, Radiance Technologies/NOAA Coastal Data Development Center**

More information

- 2015 Forum continues on second Wednesday of the month from 3 – 4:30 ET (alternate with MWG meetings); First meeting on Jan. 14, 2015
- If you are interested in presenting or have other topic suggestions, please send ideas to Lynda Wayne (LWayne@usgs.gov) or Jennifer Carlino (jcarlino@usgs.gov)
- Presentation Materials & Information are available at:

http://www.fgdc.gov/metadata/events/iso-geospatial-metadata-implementation-forum/

Recent Developments/Projects

- ◈ ISO Geospatial Metadata Editors Registry (in progress)
  - ■ Paperwork Reduction Act approval underway
  - ■ Pilot site is operational
  - ■ Engaging software developers for testing
    - ◆ Geocat provided information about GeoNetwork open source
    - ◆ Others invited to test the system
- ◈ Fundamental conduit for ISO updates (ongoing)
  - ■ regularly discusses ISO activities, issues, and strategies
  - ■ ISO component of FGDC website provides educational resources

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Next Meeting

- The next meeting of the Metadata Working Group will be held on Wednesday December 10, 2014 at 3 ET. It will take place via teleconference

- Some of the topics to be discussed at the next meeting include:

  - Share information about ISO Metadata Standards

  - Updates on ISO Geospatial Metadata Editor Registry

  - Plans for topics/presentations for the ISO Metadata Implementation Forum

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Next Steps

- In the coming months, the MWG hopes to discuss the following metadata program activities:
  - Announce ISO Geospatial Metadata Editor Registry
  - Discuss recommending/endorsing several ISO geospatial metadata standards through FGDC process
  - Working through INCITS-L1/ANSI groups to get several ISO metadata standards available through the ANSI store
  - Update ISO component on FGDC Website
  - Establishing team to look at mapping elements among Project Open Data (POD) metadata, CSDGM, and ISO
    - Call for participation – looking for participants to help develop mappings and share them
  - Continuing work on broad metadata recommendations document

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Questions?

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